

## **BRAKE CONTROL APPRATUS**

### **ABSTRACT OF THE DISCLOSURE**

A brake control apparatus is provided that distributes an engine braking torque  $T_{be}$  to the front and rear wheels in accordance with an ideal braking torque distribution to suppress and prevent the tendency for one of either the front or rear wheels to lock when the engine braking torque operates. When the road surface friction state is a low friction state and the engine braking torque operates, the brake control apparatus derives an engine braking torque  $T_{be}$  and distributes the engine braking torque  $T_{be}$  to the front and rear wheels in accordance with the ideal braking torque distribution. In addition, when the engine braking torque reduction amount is small, the engine drives a generator connected to the engine. When the friction state between the wheels and the road surface is not in the low friction state, the generator attached to the engine is operated as a motor that supplements driving of the engine to reduce the engine braking torque of the engine.